lenovo FOR THOSE WHO DO.

LENOVO THINKSERVER RD550

The performance and capacity of a 2U system in a 1U form factor

EXTREMELY VERSATILE STORAGE

Innovation is built in to the new Lenovo® ThinkServer® RD550. A cleverly engineered design allows more storage density and I/O connectivity than ever before — giving you the performance and capacity of a 2U system in a 1U form factor. By creating smaller drive trays and a slightly larger chassis within the same 1U space, the RD550 offers a total of up to 12 bays, which can be used for data storage or better performance. Two additional enterprise-class M.2 solid-state drives (SSDs) are available as an option for secure booting as well as SD card options for hypervisor booting.

Industry-unique Lenovo AnyBay design allows multiple storage types in the same drive bay, including front-accessible PCIe SSD for ultimate performance.

HIGHLY FLEXIBLE I/O

In the past, 1U servers were constrained by their size and did not have as many I/O slots as larger servers. With the new RD550, networking configurations that traditionally required a larger server can now fit into a 1U form factor.

Leveraging the unique Lenovo AnyFabric design, the RD550 can house up to eight 10 Gb Ethernet ports — without taking up any of the available PCIe slots. If you include network adapters in the available slots, the RD550 can support an incredible amount of network bandwidth in a single 1U server. There's even an option for four 10 Gb Ethernet ports with two 16 Gb Fibre Channel ports at the same time — without using any of the PCIe slots — an industry first.

EXTRA-RELIABLE PERFORMANCE

Data center cooling costs can be greater than the cost of powering the IT equipment itself. One way to reduce these cooling costs is by operating the data center at a higher temperature. With a dynamic environmental design, the RD550 can run at 45 degrees Celsius continuously — with no impact on reliability. In fact, the system has been carefully architected and tested to support long-term reliability.

The RD550 is also perfect for organizations that install servers in less strictly controlled environments.

Other high-reliability features include ECC memory, hot-swap hard-disk drive and SSD capability, and hot-swap and redundant power and cooling.

intel inside XEON

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SPECIFICATIONS

FORM FACTOR/HEIGHT	1U Rack
PROCESSOR	Up to two 18-core Intel Xeon E5-2600 v3 Series
MEMORY	Up to 768 GB DDR4 - 2133 MHz via 24 slots (RDIMM/LRDIMM)
MEDIA BAYS	Up to 2
DISK BAYS	Up to 4 x 3.5" front + up to 2 x 2.5" rear[1] or up to 12 x 2.5" front
MAXIMUM INTERNAL STORAGE	Up to 26.4 TB 3.5" chassis[2] or up to 14.4 TB 2.5" chassis[2]; M.2 SSD and SD card options available[3]
RAID SUPPORT	ThinkServer RAID 110i AnyRAID (0/1/10, optional 5) ThinkServer RAID 510i AnyRAID Adapter (0/1/10, optional 5) ThinkServer RAID 720i AnyRAID Adapter (0/1/10/5/50/6/60) ThinkServer RAID 720ix AnyRAID Adapter (0/1/10/5/50/6/60)
POWER SUPPLY	Redundant hot-swap 550W/750W/1100W (80 PLUS Platinum), 110V to 240V AC input 750W (80 PLUS Titanium), 200V to 240V AC input
NETWORK INTERFACE	1 x Integrated Gb Ethernet (Dedicated management port) Up to 2 x AnyFabric slots with choice of Ethernet NIC, Fibre Channel HBA or CNA
EXPANSION SLOTS	3.5" chassis: 2 x PCIe Gen3: LP x16 2.5" chassis: 1 x PCIe Gen3: LP x16 1 x PCIe Gen3: LP x16 (x8 electrical) 1 x PCIe Gen3: LP x8
COOLING	6 Redundant hot-swap fans with 1 processor or 8 redundant hot-swap fans with 2 processors
SYSTEMS MANAGEMENT	ThinkServer System Manager Optional ThinkServer System Manager Premium
OPERATING SYSTEMS SUPPORTED	Microsoft Windows Server 2012 R2 (Including Hyper-V), Microsoft Windows Server 2012 (Including Hyper-V), Microsoft Windows Server 2008 R2 SP1 (Including Hyper-V), SUSE Linux Enterprise Server, Red Hat Enterprise Linux Server, VMware vSphere ESXi, Citrix XenServer
DIMENSIONS (W X H X D)	(482 mm x 43 mm x 803 mm) or (19.0" x 1.7" x 31.6")
WEIGHT	Starting at (13.50 kg) or (29.76 lbs)

1 Rear drives SATA only
2 Based on 6 TB drives coming soon
3 Coming soon

OPTIONS

ThinkServer 8GB DDR4 - 2133MHz RDIMM	ThinkServer RAID 720i AnyRAID Adapter	ThinkServer X540-T2 AnyFabric 10Gb 2P Ethernet Adapter by Intel
4X70F28589	4XB0F28693	4XC0F28741
Boost the capabilities of your ThinkServer system and increase performance.	Safeguard your data and increase performance without using a PCIe slot.	Leverage the bandwidth potential of your network and scale your I/O.

For a complete list of options, visit lenovoquickpick.com

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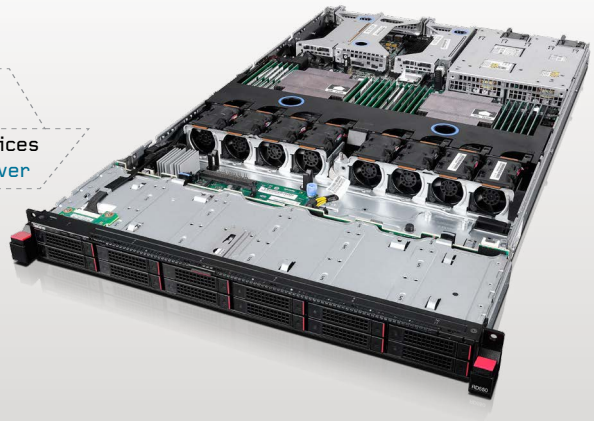

To learn more about the Lenovo ThinkServer RD550, please contact your Lenovo Business Partner or visit shop.lenovo.com/us/en/servers/thinkserver/racks/rd550

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